CREATE TABLE georeference (

georeference\_id TEXT PRIMARY KEY,

location\_id TEXT, -- foreign key declared after location table

decimal\_latitude NUMERIC NOT NULL CHECK (decimal\_latitude BETWEEN -90 AND 90),

decimal\_longitude NUMERIC NOT NULL CHECK (decimal\_longitude BETWEEN -180 AND 180),

geodetic\_datum TEXT NOT NULL,

coordinate\_uncertainty\_in\_meters NUMERIC CHECK (coordinate\_uncertainty\_in\_meters > 0 AND coordinate\_uncertainty\_in\_meters <= 20037509),

coordinate\_precision NUMERIC CHECK (coordinate\_precision BETWEEN 0 AND 90),

point\_radius\_spatial\_fit NUMERIC CHECK (point\_radius\_spatial\_fit = 0 OR point\_radius\_spatial\_fit >= 1),

footprint\_wkt TEXT,

footprint\_srs TEXT,

footprint\_spatial\_fit NUMERIC CHECK (footprint\_spatial\_fit >= 0),

georeferenced\_by TEXT,

georeferenced\_date TEXT,

georeference\_protocol TEXT,

georeference\_sources TEXT,

georeference\_remarks TEXT,

preferred\_spatial\_representation TEXT